Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Army											Date: February 2016	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*					R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*							
COST ($ in Millions)	**Prior Years**	**FY 2015**	**FY 2016**	**FY 2017 Base**	**FY 2017 OCO**	**FY 2017 Total**	**FY 2018**	**FY 2019**	**FY 2020**	**FY 2021**	**Cost To Complete**	**Total Cost**
Total Program Element	-	5.532	4.309	3.958	-	3.958	4.923	3.084	3.167	3.561	Continuing	Continuing
B41: *CI/HUMINT Software Products (MIP)*	-	1.139	3.242	2.782	-	2.782	3.115	1.224	1.257	1.613	Continuing	Continuing
B51: *Machine - Foreign Language Translation System*	-	4.393	1.067	1.176	-	1.176	1.808	1.860	1.910	1.948	Continuing	Continuing

A. Mission Description and Budget Item Justification

The All Source Analysis System (ASAS) provided US Army commanders at all echelons from battalion to Army Service Component Command (ASCC) with automated support to the management and planning, processing and analysis, and dissemination of intelligence, counterintelligence, and electronic warfare. ASAS provided the means to enhance the commander's timely and comprehensive understanding of enemy deployments, capabilities, and potential courses of action. The system used standard joint and Army protocols and message formats to interface with selected National, joint, theater, and tactical intelligence, surveillance, and reconnaissance systems and preprocessors and Army, joint, and coalition battle command systems. The ASAS Family of Systems migrated into the Distributed Common Ground System-Army (DCGS-A) program and the Army is using it as the initial platform to provide accelerated DCGS-A capabilities to the force.

The Counterintelligence (CI) and Human Intelligence (HUMINT) Automated Reporting and Collection System (CHARCS) is the Army's CI and HUMINT tactical collection and reporting system. CHARCS provides automation support for information collection, reporting, investigations, source & interrogation operations and document exploitation. The CHARCS automation architecture extends from the individual HUMINT team soldier or CI agent to the Corps Analysis and Control Element (ACE). CHARCS reports digital data such as maps, overlays, images, video, biometrics, scanned documents and audio files. These media are transmitted through secure networks and interfaces with the DCGS-A for detailed analysis and creation of finished intelligence products. Collection and reporting teams at Military Intelligence (MI) battalions and their operational managers are equipped with one of two CHARCS systems. The first is the AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) which provides collection and processing devices for individual HUMINT team member or CI agents. The second is the AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS) which provides the team leader tools to process and manage team-collected information and a robust set of devices such as printers, scanners, cameras and audio recorders to assist the collection mission. Each CHATS has an associated Mission Support Peripheral Sets and Kits (MS-PSK) or Collection Peripheral Sets and Kits (C-PSK).

The Machine Foreign Language Translation System (MFLTS), formerly named Sequoyah, develops, fields, and sustains a basic automated foreign speech and text translation capability for Army tactical systems to augment and compliment limited human linguistic resources. These integrated automated translation capabilities will be applicable across three different system configurations; a hand-held/wearable portable device, a laptop/mobile device, and in a networked/web-enabled system. The software modules will translate English from a prioritized list of languages in a prioritized collection of domains (e.g. medical, intelligence, base security). MFLTS is interoperable with Commercial Off-The-Shelf (COTS) and Government Off-The-Shelf (GOTS) automation equipment to include the Distributed Common Ground System-Army (DCGS-A) and Nett Warrior, and will be interoperable with a future version of the CI/HUMINT Automated Reporting and Collection System (CHARCS).

Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Army					Date: February 2016
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 5: *System Development & Demonstration (SDD)*			R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*		
B. Program Change Summary ($ in Millions)	**FY 2015**	**FY 2016**	**FY 2017 Base**	**FY 2017 OCO**	**FY 2017 Total**
Previous President's Budget	5.532	4.309	3.804	-	3.804
Current President's Budget	5.532	4.309	3.958	-	3.958
Total Adjustments	0.000	0.000	0.154	-	0.154
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	0.154	-	0.154

Change Summary Explanation

FY2017 Base adjustment amount of $.154 million increased for the planning toward incremental development of MFLTS requirements.

Exhibit R-2A, RDT&E Project Justification: PB 2017 Army			Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*	Project (Number/Name) B41 / *CI/HUMINT Software Products (MIP)*	

COST ($ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
B41: *CI/HUMINT Software Products (MIP)*	-	1.139	3.242	2.782	-	2.782	3.115	1.224	1.257	1.613	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Counterintelligence (CI) and Human Intelligence (HUMINT) Automated Reporting and Collection System (CHARCS) is the Army's CI and HUMINT tactical collection and reporting system. CHARCS provides automation support for information collection, reporting, investigations, source & interrogation operations and document exploitation. The CHARCS automation architecture extends from the individual HUMINT team soldier or CI agent to the Corps. CHARCS reports digital data such as maps, overlays, images, video, biometrics, scanned documents and audio files. These media are transmitted through secure networks and interfaces with the Distributed Common Ground System-Army (DCGS-A) for detailed analysis and creation of finished intelligence products. Collection and reporting teams at Military Intelligence (MI) battalions and their operational managers are equipped with one of two CHARCS systems. The first is the AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) which provides collection and processing devices for individual HUMINT team member or CI agents. The second is the AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS) which provides the team leader and Operational Management Team (OMT) tools to process and manage team-collected information and a robust set of devices such as printers, scanners, and cameras to assist the collection mission. Each CHATS has an associated Mission Support Peripheral Sets and Kits (MS-PSK) or Collection Peripheral Sets and Kits (C-PSK).

The C-PSK provides specialized collection component capabilities to support CI/HUMINT collection missions. C-PSK capabilities are commercial-off-the-shelf (COTS) technologies and include video and camera equipment, global positioning system (GPS), voice recording device and infrared strobe lights. The MS-PSK provides specialized collection component capabilities to support CI/HUMINT collection missions at the OMT. MS-PSK capabilities are COTS technologies and include night vision photography & video, captured materiel tracking, Credibility Assessment Capability, Digital Media Forensics software, and Document Exploitation software.

FY 2017 Base amount of $2.782 million will fund efforts for the development of the single CI/HUMINT software baseline in coordination with DCGS-A, software testing, and system engineering management support.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2015	FY 2016	FY 2017
Title: Development and Integration toward a single CI/HUMINT Software baseline; software testing; increased software performance capability; security accreditation; and Hardware integration of Software.	1.139	3.242	2.782
Description: Development and Integration toward a single CI/HUMINT Software baseline; software testing of v1.0.4.2; software baseline enhancement and testing of v1.0.4.2.2 and v1.0.4.2.3; increased software (SW) performance capability; Hardware (HW) integration testing of CHARCS SW.			
FY 2015 Accomplishments:			

Exhibit R-2A, RDT&E Project Justification: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B41 / *CI/HUMINT Software Products (MIP)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2015	FY 2016	FY 2017
Initiated efforts for CHARCS software increased performance capability, ease of use, incremental capability improvement, DIA policy updates, and interoperability updates. Developmental test (DT) and operational test (OT) for v1.0.4.2; continued efforts for testing related to AIC, RAM, and quality assurance. Preplanned product improvement of collection, force protection, and mission support capabilitites. ***FY 2016 Plans:*** Development of the single CI/HUMINT software baseline in coordination with DCGS-A. Continuing effort for testing related to AIC and COE compliance for v1.0.4.2.2. Software baseline enhancement and testing for v1.0.4.2.3. Providing system engineering management support. ***FY 2017 Plans:*** Will continue efforts for the development of the single CI/HUMINT software baseline in coordination with DCGS-A. Will continue software baseline enhancement and testing for v1.0.4.2.3. Will integrate exploitation software onto M H/H platform. Will provide system engineering management support.			
Accomplishments/Planned Programs Subtotals	1.139	3.242	2.782

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
• CI HUMINT AUTO REPRTING AND COLL (C: *BK5275*	14.302	11.402	14.891	-	14.891	7.815	8.092	8.250	8.424	Continuing	Continuing

Remarks

D. Acquisition Strategy

Program capability documentation was updated to include Capabilities Development Document (CDD) Increment 2 requirements in CHARCS Capabilities Production Document (CPD) Increment 1, Revision 1, which was signed 6 September 2012. CHARCS is a post-Milestone C program. CHARCS is leveraging Communications Electronic Command Software Engineering Center (CECOM SEC) to increase current capabilities and provide an increased performance capability version of the CHARCS software. CHARCS will leverage DCGS-A Increment 2 contract in coordination with DCGS-A Increment 2 to develop a single CI/HUMINT software baseline that meets integrated connected and disconnected CI/HUMINT requirements, which will save sustainment costs of maintaining multiple baselines. CHARCS will utilize competitively-awarded Task and Delivery Orders on Indefinite Deliverable, Indefinite Quantity contract vehicles to provide services. CHARCS software requires development to keep pace with incremental technology improvements, Defense Intelligence Agency compliance, and to meet AROC approved requirements documented in the CHARCS CPD Increment 1, Revision 1. CHARCS is continuously evaluating and assessing existing Commercial-off-the-shelf (COTS) and Government-off-the-shelf (GOTS) that support CHARCS CPD Increment 1, Revision 1.

Exhibit R-2A, RDT&E Project Justification: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B41 / *CI/HUMINT Software Products (MIP)*

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army			Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*	Project (Number/Name) B41 / *CI/HUMINT Software Products (MIP)*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PD CHARCS PMO Government Engineering Direct Support	Allot	PD CHARCS : Ft Belvoir, VA	3.790	-		0.182	Oct 2015	0.098	Oct 2016	-		0.098	Continuing	Continuing	Continuing
		Subtotal	3.790	-		0.182		0.098		-		0.098	-	-	-

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Single CI&HUMINT SW Baseline	MIPR	DCGS-A : APG, MD	0.000	0.644	Jan 2015	-		-		-		-	Continuing	Continuing	Continuing
CI?HUMINT Single SW Baseline	C/CPIF	TBD : TBD	0.000	-		2.300	Jun 2016	2.453	Jan 2016	-		2.453	Continuing	Continuing	0
Integration of exploitation SW onto M H/H platform	MIPR	Nett Warrior (NW), PEO Soldier : Ft Belvoir, VA	0.000	-		-		-		-		-	Continuing	Continuing	Continuing
CHARCS Software Development	MIPR	CECOM Software Engineering Center : Various Locations	16.119	-		-		-		-		-	Continuing	Continuing	Continuing
CHARCS Software Management/Development	MIPR	DCGS-A : APG, MD	1.044	-		-		-		-		-	Continuing	Continuing	Continuing
CHARC Software Development	MIPR	DCGS-A : APG, MD	0.520	-		-		-		-		-	Continuing	Continuing	Continuing
DOMEX Tools	MIPR	National Ground Intelligence Center : Charlottesville, VA	8.100	-		-		-		-		-	0	8.100	0
		Subtotal	25.783	0.644		2.300		2.453		-		2.453	-	-	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army			Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*	Project (Number/Name) B41 / *CI/HUMINT Software Products (MIP)*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Engineering & Testing Services - PD CHARCS PMO SETA	MIPR	CACI, Inc. : Arlington, VA	0.857	-		0.570	Mar 2016	0.131	Mar 2017	-		0.131	Continuing	Continuing	Continuing
		Subtotal	0.857	-		0.570		0.131		-		0.131	-	-	-

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CTSF: Army Interoperability Certification (AIC), Common Operating environment (COE) compliance	MIPR	CECOM SEC : Ft Huachuca, AZ	0.000	0.295	Jan 2015	0.190	Jan 2016	0.100	Jan 2017	-		0.100	Continuing	Continuing	Continuing
Reliability, Availability, Maintainability (RAM)	MIPR	EPG : Ft Huachuca, AZ	0.000	0.100	Jan 2015	-		-		-		-	Continuing	Continuing	Continuing
Quality Assurance	MIPR	CECOM SEC : Ft Huachuca, AZ	0.000	0.100	Jan 2015	-		-		-		-	Continuing	Continuing	Continuing
Test Support and Interoperability	MIPR	CTSF, : Ft. Hood, TX	0.612	-		-		-		-		-	Continuing	Continuing	0
Test Support and Interoperability	MIPR	US Army EPG : Ft Huachuca, AZ	0.600	-		-		-		-		-	Continuing	Continuing	Continuing
Operational Test / Security Accreditation Testing / HW Integration Testing	MIPR	ATEC : Multiple	0.436	-		-		-		-		-	Continuing	Continuing	Continuing
Security Accreditation Collateral	MIPR	CECOM : Ft. Monmouth, NJ	0.381	-		-		-		-		-	Continuing	Continuing	0
Safety release	MIPR	CECOM : Ft. Monmouth, NJ	0.035	-		-		-		-		-	Continuing	Continuing	0
		Subtotal	2.064	0.495		0.190		0.100		-		0.100	-	-	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army			Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*	Project (Number/Name) B41 / *CI/HUMINT Software Products (MIP)*	

	Prior Years	FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	32.494	1.139		3.242		2.782		-		2.782	-	-	-

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B41 / *CI/HUMINT Software Products (MIP)*

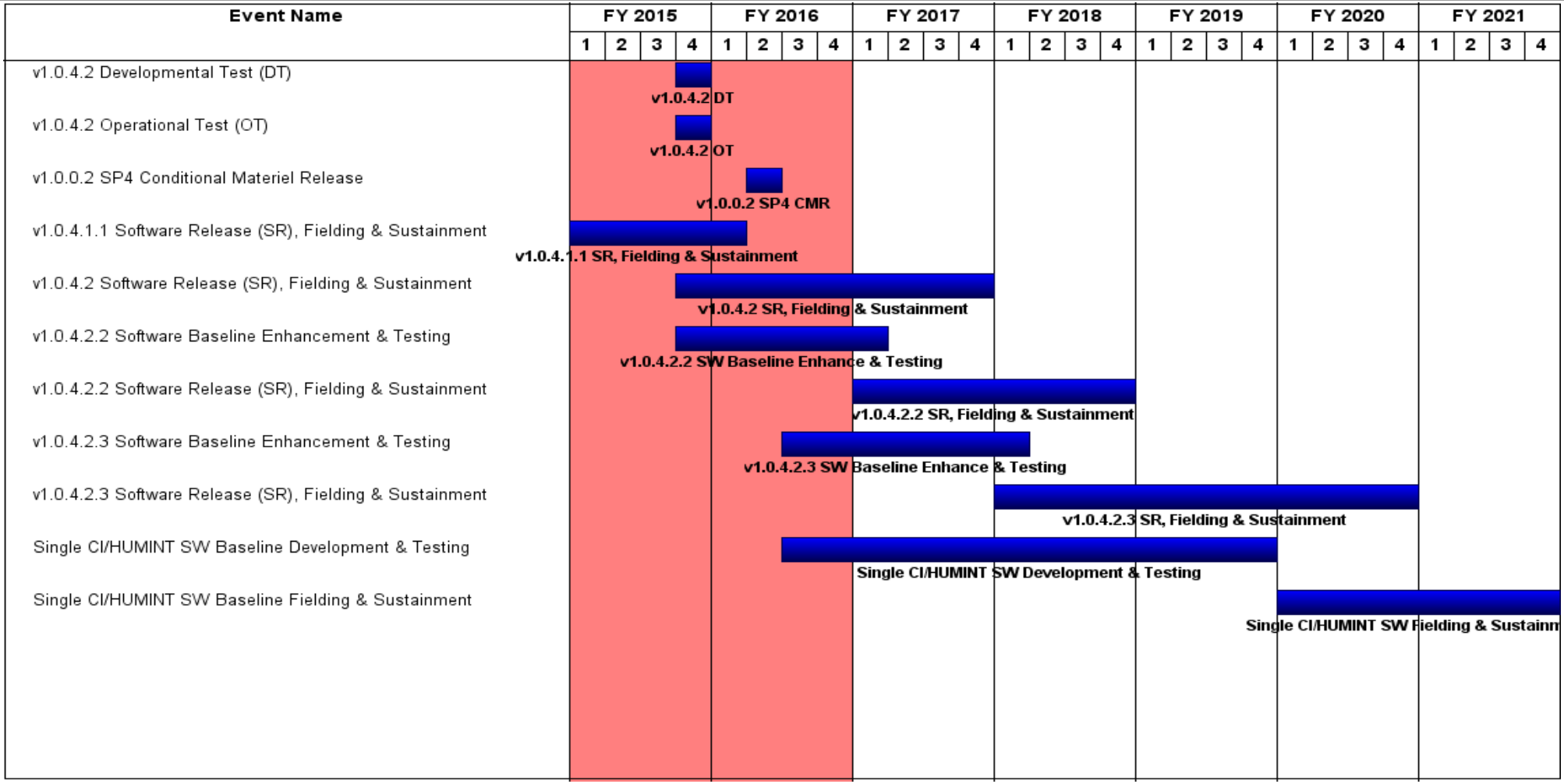

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B41 / *CI/HUMINT Software Products (MIP)*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
v1.0.4.2 Developmental Test (DT)	4	2015	4	2015
v1.0.4.2 Operational Test (OT)	4	2015	4	2015
v1.0.0.2 SP4 Conditional Materiel Release	2	2016	2	2016
v1.0.4.1.1 Software Release (SR), Fielding & Sustainment	1	2015	1	2016
v1.0.4.2 Software Release (SR), Fielding & Sustainment	4	2015	4	2017
v1.0.4.2.2 Software Baseline Enhancement & Testing	4	2015	1	2017
v1.0.4.2.2 Software Release (SR), Fielding & Sustainment	1	2017	4	2018
v1.0.4.2.3 Software Baseline Enhancement & Testing	3	2016	1	2018
v1.0.4.2.3 Software Release (SR), Fielding & Sustainment	1	2018	4	2020
Single CI/HUMINT SW Baseline Development & Testing	3	2016	4	2019
Single CI/HUMINT SW Baseline Fielding & Sustainment	1	2020	4	2022

Exhibit R-2A, RDT&E Project Justification: PB 2017 Army			Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*	Project (Number/Name) B51 / *Machine - Foreign Language Translation System*	

COST ($ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
B51: *Machine - Foreign Language Translation System*	-	4.393	1.067	1.176	-	1.176	1.808	1.860	1.910	1.948	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Machine Foreign Language Translation System (MFLTS), formerly named Sequoyah, develops, fields, and sustains a basic automated foreign speech and text translation capability for Army tactical systems to augment and compliment limited human linguistic resources. These integrated automated translation capabilities will be applicable across three different system configurations; a hand-held/wearable portable device, a laptop/mobile device, and in a networked/web-enabled system. The software modules will translate English from a prioritized list of languages in a prioritized collection of domains (e.g. medical, intelligence, base security). MFLTS is interoperable with Commercial Off-The-Shelf (COTS) and Government Off-The-Shelf (GOTS) automation equipment to include the Distributed Common Ground System-Army (DCGS-A) and Nett Warrior, and will be interoperable with a future version of the CI/HUMINT Automated Reporting and Collection System (CHARCS).

FY17 base dollars in the amount of $1.176 million provides for the planning of incremental development of Speech to Speech (S2S) and Text to Text (T2T) languages and domains.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2015	FY 2016	FY 2017
Title: Product Development and Engineering Support	3.269	0.614	0.709
Description: Development, integration and improvement of Critical Technology Elements (CTE) of Automated Speech Recognition (ASR), Optical Character Recognition (OCR), and Machine Language Translation Translation Engine (MLT TE) software. Includes incremental development of Speech to Speech (S2S) and Text to Text (T2T) languages and domains. ***FY 2015 Accomplishments:*** Completed development and integration of Critical Technology Elements of Automated Speech Recognition, Optical Character Recognition, and Machine Language Translation Translation Engine software. ***FY 2016 Plans:*** Continuing support of the development of Speech to Speech languages in Iraqi Arabic and Pashto and Text to Text language in Modern Standard Arabic (MSA). ***FY 2017 Plans:*** Will provide for the planning of incremental development of Speech to Speech (S2S) and Text to Text (T2T) languages and domains.			
Title: Test and Evaluation of MFLTS Capabilities	0.684	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B51 / *Machine - Foreign Language Translation System*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2015	FY 2016	FY 2017
Description: Testing of the automated language translation capabilities using established metrics, collected standard data sets, and standardized objective validation process. ***FY 2015 Accomplishments:*** Tested the automated language translation capabilities using established metrics, collected standard data sets, and standardized objective validation process.			
Title: PD Support and Management Services ***Description:*** Program Office Support. ***FY 2015 Accomplishments:*** Provided program management office support at Government activity sites. ***FY 2016 Plans:*** Continuing program management office support at Government activity sites. ***FY 2017 Plans:*** Will continue to provide program management office support at Government activity sites.	0.440	0.453	0.467
Accomplishments/Planned Programs Subtotals	4.393	1.067	1.176

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
• MFLTS: *B88605 - Machine Foreign Language Translation System (MFLTS)*	-	8.125	0.545	-	0.545	-	-	-	-	Continuing	Continuing

Remarks

D. Acquisition Strategy

The MFLTS Technology Development (TD) Phase developed an open software architecture prototype using full and open competition that allowed the addition, upgrade and replacement of translation system components for integration into existing Programs. During the Engineering and Manufacturing Development (EMD) Phase, the program integrated technology demonstrated during the TD Phase to meet Key Performance Parameters (KPPs). This included the requirement to meet an Interagency Language Roundtable (ILR) level of 1 for two speech translation modules and an ILR level of 1+ for one text translation module in hand-held/wearable portable, laptop/ mobile, and networked/web-enabled system configurations. Milestone B was achieved 22 Jul 13 and an option period for the EMD phase contract was awarded 22

Exhibit R-2A, RDT&E Project Justification: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B51 / *Machine - Foreign Language Translation System*

Jul 13. Following a Limited Deployment Decision (LDD), a contract will be awarded to integrate and field MFLTS capability drop #1 during FY16. A full and open competition will result in the award of a contract(s) in FY17 for the incremental development of new MFLTS SW Capability Drops.

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army			Date: February 2016
Appropriation/Budget Activity 2040 / 5	R-1 Program Element (Number/Name) PE 0604321A / *All Source Analysis System*	Project (Number/Name) B51 / *Machine - Foreign Language Translation System*	

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Support	MIPR	Various : Ft. Belvoir, VA	3.976	0.440	Oct 2014	0.453	Oct 2015	0.467	Oct 2015	-		0.467	Continuing	Continuing	0
		Subtotal	3.976	0.440		0.453		0.467		-		0.467	-	-	0.000

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development Contract	MIPR	Raytheon BBN : Cambridge, MA	12.000	0.553	Jan 2015	-		-		-		-	0	12.553	0
Engineering Development	MIPR	Various : Various	2.589	1.284	Apr 2015	-		-		-		-	Continuing	Continuing	0
Gen 2 EMD	C/IDIQ	TBD : TBD	0.000	-		-		0.100	Jun 2017	-		0.100	Continuing	Continuing	0
		Subtotal	14.589	1.837		-		0.100		-		0.100	-	-	0.000

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support	MIPR	Various : Various	4.582	1.432	Dec 2014	0.614	Dec 2015	0.609	Dec 2016	-		0.609	Continuing	Continuing	0
		Subtotal	4.582	1.432		0.614		0.609		-		0.609	-	-	0.000

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Test and Evaluation Activities	MIPR	USA Test and Eval Command : Alexandria, VA	0.981	0.419	Feb 2015	-		-		-		-	Continuing	Continuing	0
Data Collection	MIPR	Army Research Laboratory : Adelphi, MD	0.308	-		-		-		-		-	0	0.308	0

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B51 / *Machine - Foreign Language Translation System*

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Technology Readiness Assessment	MIPR	Army Research Laboratory : Adelphi, MD	0.000	0.047	Dec 2014	-		-		-		-	0	0.047	0
Forensic Analysis	MIPR	Pro Services : Trenton, NJ	0.000	0.032	Jan 2015	-		-		-		-	0	0.032	0
PM and Host Platform Test and Evaluation Activities	MIPR	Various : Various	0.000	0.186	Jan 2015	-		-		-		-	0	0.186	0
		Subtotal	1.289	0.684		-		-		-		-	-	-	0.000

	Prior Years	FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	24.436	4.393		1.067		1.176		-		1.176	-	-	0.000

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B51 / *Machine - Foreign Language Translation System*

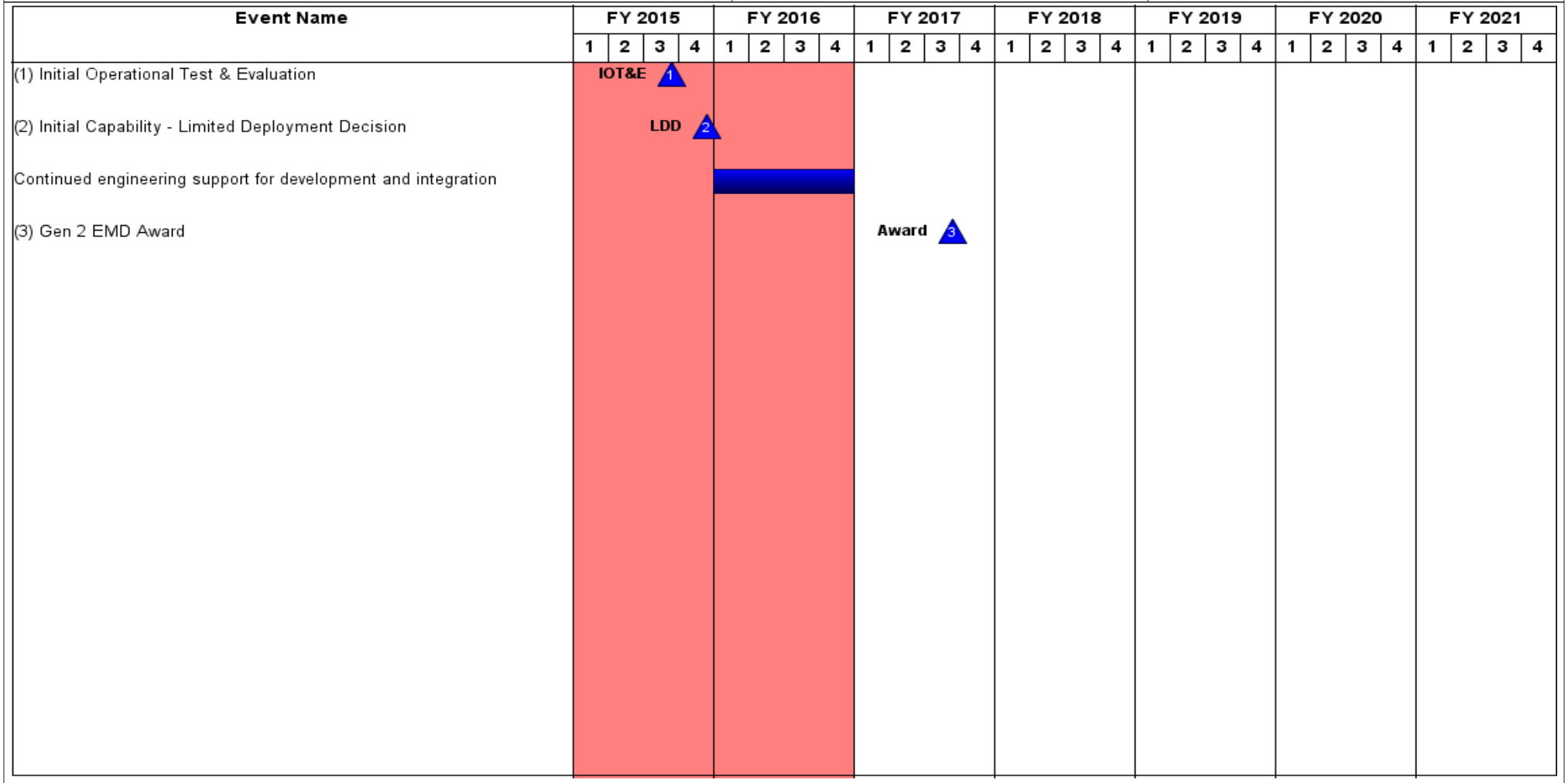

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army		Date: February 2016
Appropriation/Budget Activity 2040 / 5	**R-1 Program Element (Number/Name)** PE 0604321A / *All Source Analysis System*	**Project (Number/Name)** B51 / *Machine - Foreign Language Translation System*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Initial Operational Test & Evaluation	3	2015	4	2015
Initial Capability - Limited Deployment Decision	4	2015	4	2015
Continued engineering support for development and integration	1	2016	4	2016
Gen 2 EMD Award	3	2017	3	2017

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